

FIGURE 2

FOREBRAIN		
Diencephalon	Parietal lobe	Cochlear nuclei
Subthalamus	Frontal lobe	Medullary reticular formation
Zona incerta	Cerebral white matter	Solitary nucleus
Subthalamus	Anterior commissure	Inferior olivary complex
Hypothalamus	Internal capsule	Vestibular nuclei
Intermediate hypothalamic region	Corpus callosum	Metencephalon
Hypophysis	Basal ganglia	Cerebellum
Adenohypophysis	Amygdala	Deep cerebellar nuclei
Neurohypophysis	Globus pallidus	Dentate nucleus
Thalamus (including all sub-	Striatum	Fastigial nucleus
divisions)	Substantia Nigra	Globose nucleus
Metathalamus	(pars compacta and pars	Emboliform nucleus
Medial geniculate body	reticulata)	Cerebellar cortex
Lateral geniculate body	Caudate nucleus	Flocculonodular lobe
Epithalamus	Putamen	Posterior lobe
Habenula	Septum	Vermis of posterior lobe
Pineal body	Fornix	Anterior lobe
Telencephalon	Olfactory bulb	Pons
Cerebral cortex including all 47	MIDBRAIN	Basal part of pons
areas as described by Brodmann	Cerebral Peduncle	Pontine nuclei
Archicortex	Substantia nigra	Pontine tegmentum
Hippocampal formation	Midbrain tegmentum	Pontine reticular formation
Hippocampus	Midbrain reticular formation	Superior olivary complex
Dentate gyrus	Red nucleus	Locus ceruleus
Subiculum	Oculomotor nuclei	
Parahippocampal gyrus	Tectum	
Cingulate gyrus	Inferior colliculus	
Occipital lobe	Superior colliculus	
Temporal lobe	Pretectal region	
Insula	HINDBRAIN	
	Medulla oblongata	

A more complete list is available in cited neuroanatomical texts.

FIGURE 3

Alzheimer's Disease	Chronic Pain	Lateral Medullary	Obesity	Spinal Cord Injury
Amyotrophic Lateral Sclerosis	Chronic Regional Pain Syndrome	Syndrome	Occipital Neuralgia	Spinal Cord Tumors
Anxiety Disorders	Cns Trauma	Learning Disabilities	Overuse Syndrome	Stroke
Aphasia	Cushing's Syndrome	Leigh's Disease	Pain - Chronic	Sturge-Weber Syndrome
Apraxia	Dandy-Walker Syndrome	Lewy Body Dementia	Paresthesia	Tardive Dyskinesia
Asperger Syndrome	Dementia - Multi-Infarct	Lissencephaly	Parkinson's Disease	Tay-Sachs Disease
Attention Deficit-Hyperactivity Disorder	Dementia With Lewy Bodies	Locked-In Syndrome	Parkinson's Disease	Temporal Arteritis
Autism	Depression	Lou Gehrig's Disease	Parmyotonia	Tic Douloureux
Autonomic Dysfunction	Diabetic Neuropathy	Lupus - Neurological	Congenita	Tourette Syndrome
Back Pain	Diffuse Sclerosis	Sequelae	Parry Romberg	Traumatic Brain Injury
Bell's Palsy	Dysgraphia	Lyme Disease -	Peripheral Neuropathy	Tremor
Bipolar Disorder	Dyslexia	Neurological Sequelae	Pervasive	Trigeminal Neuralgia
Brain and Spinal Tumors	Dystonias	Meningitis	Developmental Disorders	Wallenberg's Syndrome
Brain Aneurysm	Encephalitis and Meningitis	Migraine	Pick's Disease	Zellweger Syndrome
Brain Injury	Epilepsy	Mini-Stroke	Pinched Nerve	
Carpal Tunnel Syndrome	Epilepsy	Motor Neuron Diseases	Pituitary Tumors	
Causalgia	Friedreich's Ataxia	Multiple Sclerosis	Postherpetic Neuralgia	
Central Pain Syndrome	Gaucher's Disease	Muscular Dystrophy (MD)	Repetitive Motion Disorders	
Cerebral Aneurysm	Guillain-Barre Syndrome	Myasthenia Gravis	Repetitive Stress Injuries	
Cerebral Arteriosclerosis	Head Injury	Myoclonus	Restless Legs Syndrome	
Cerebral Palsy	Headache	Myopathy	Rett Syndrome	
Charcot-Marie-Tooth Disorder	Herpes Zoster	Myotonia Congenita	Schizophrenia	
Chiari Malformation	Huntington's Disease	Narcolepsy	Seizure Disorder	
Chorea	Hydrocephalus	Neurofibromatosis	Shingles	
	Landau-Kleffner Syndrome	Neurological Manifestations of AIDS	Sleep Apnea	
		Neuronal Migration Disorders	Sleep Disorders	
		Niemann-Pick Disease	Spasticity	
			Spina Bifida	

FIGURE 4

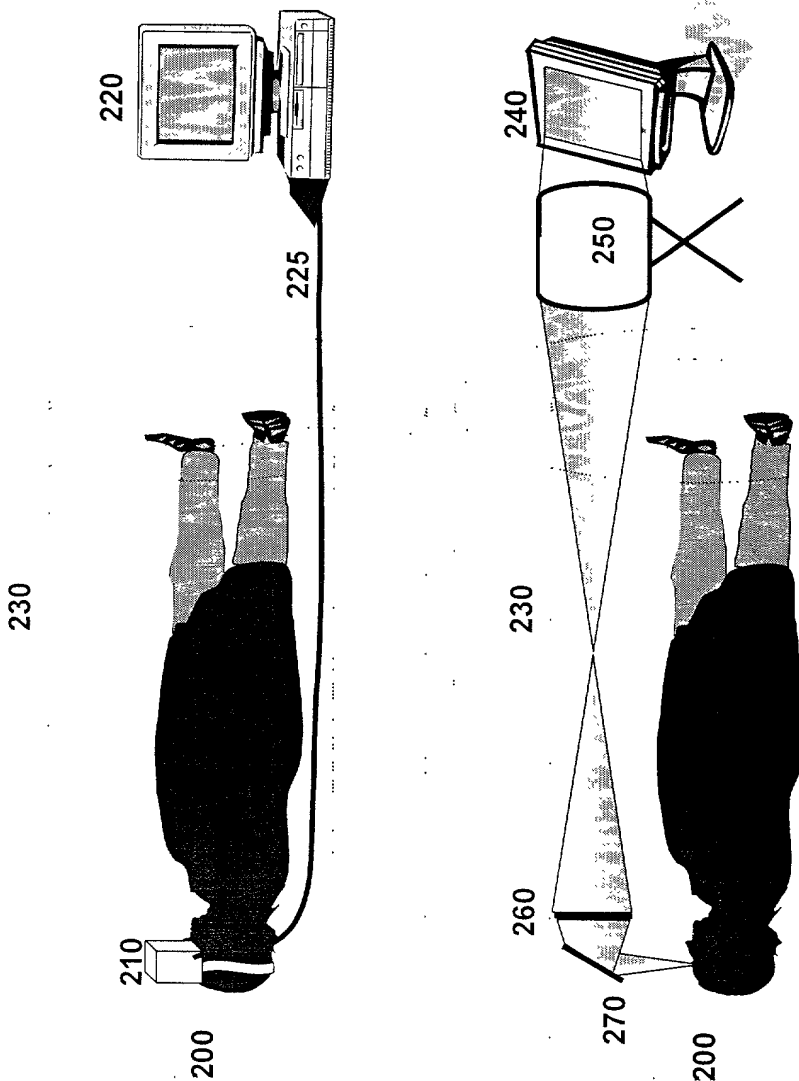


FIGURE 5

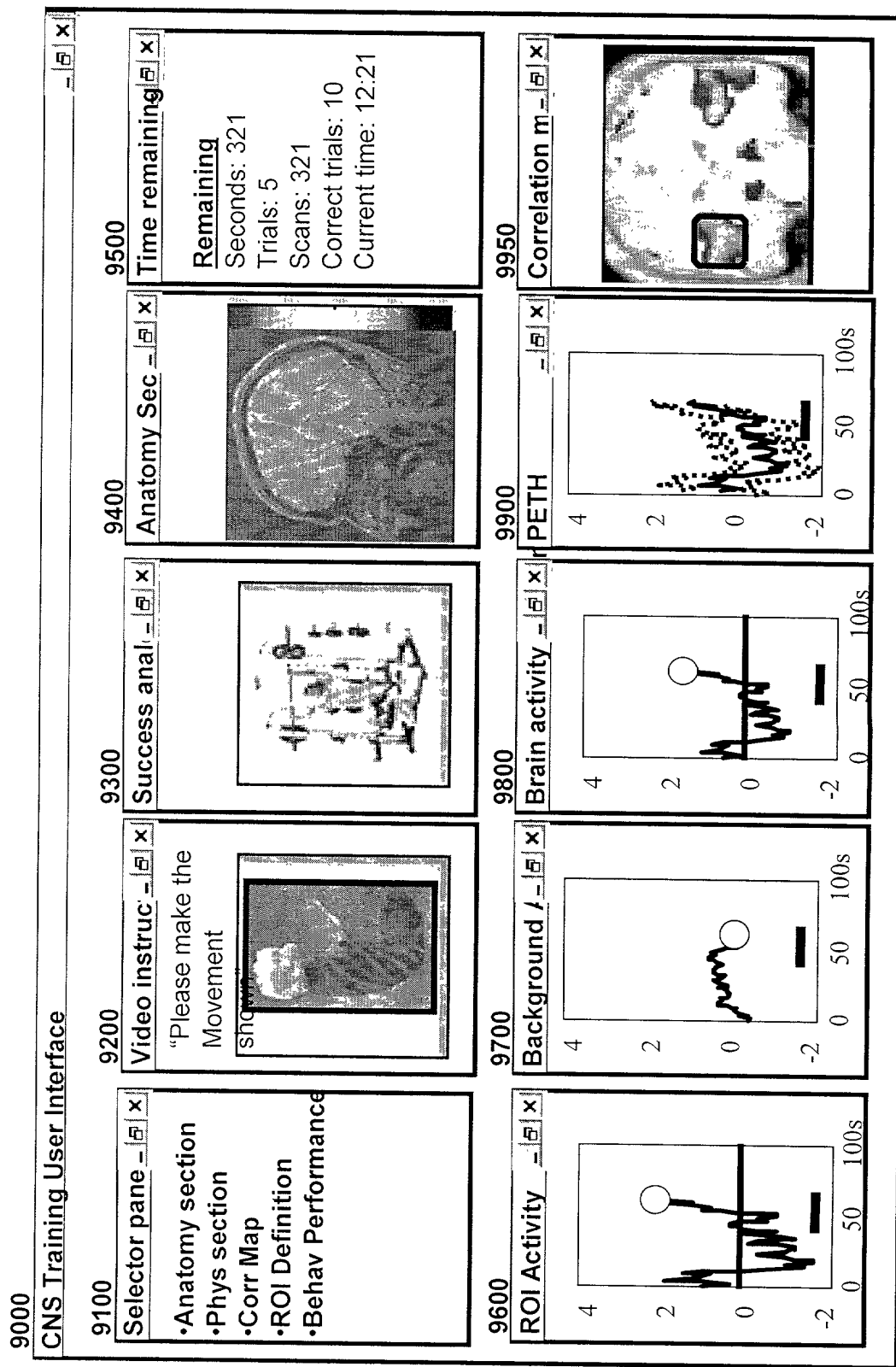


FIGURE 6

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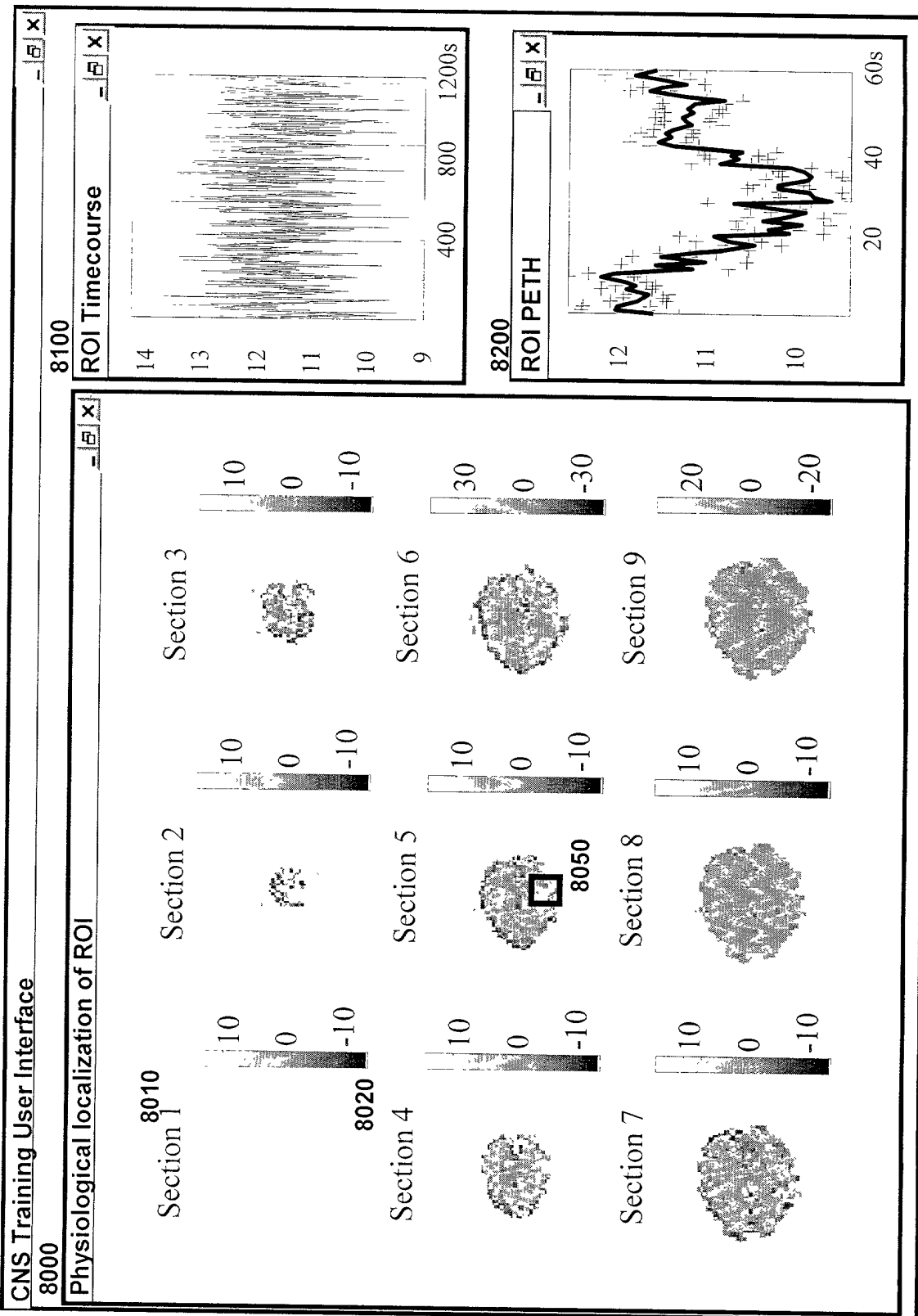


FIGURE 7

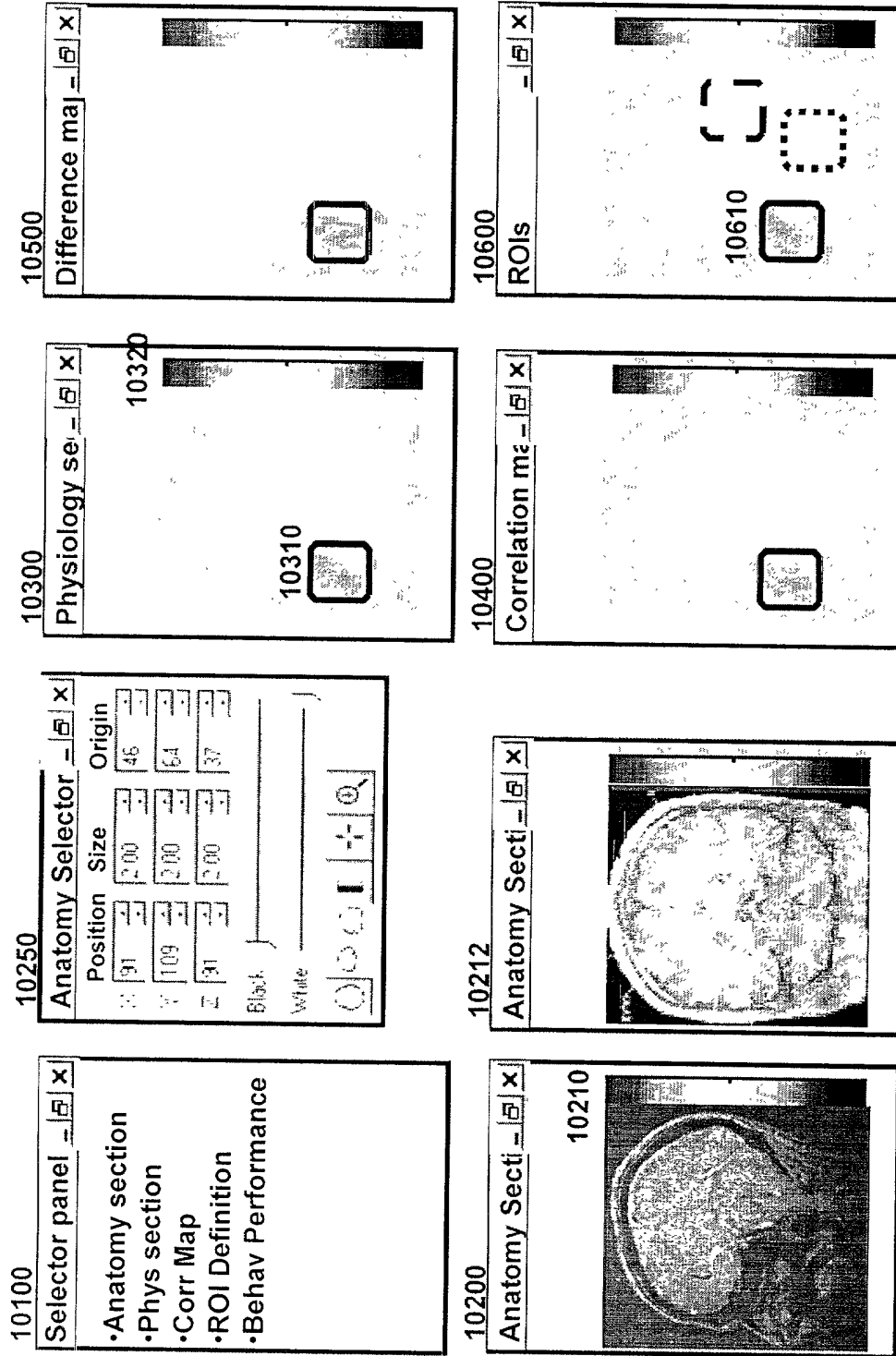


FIGURE 9

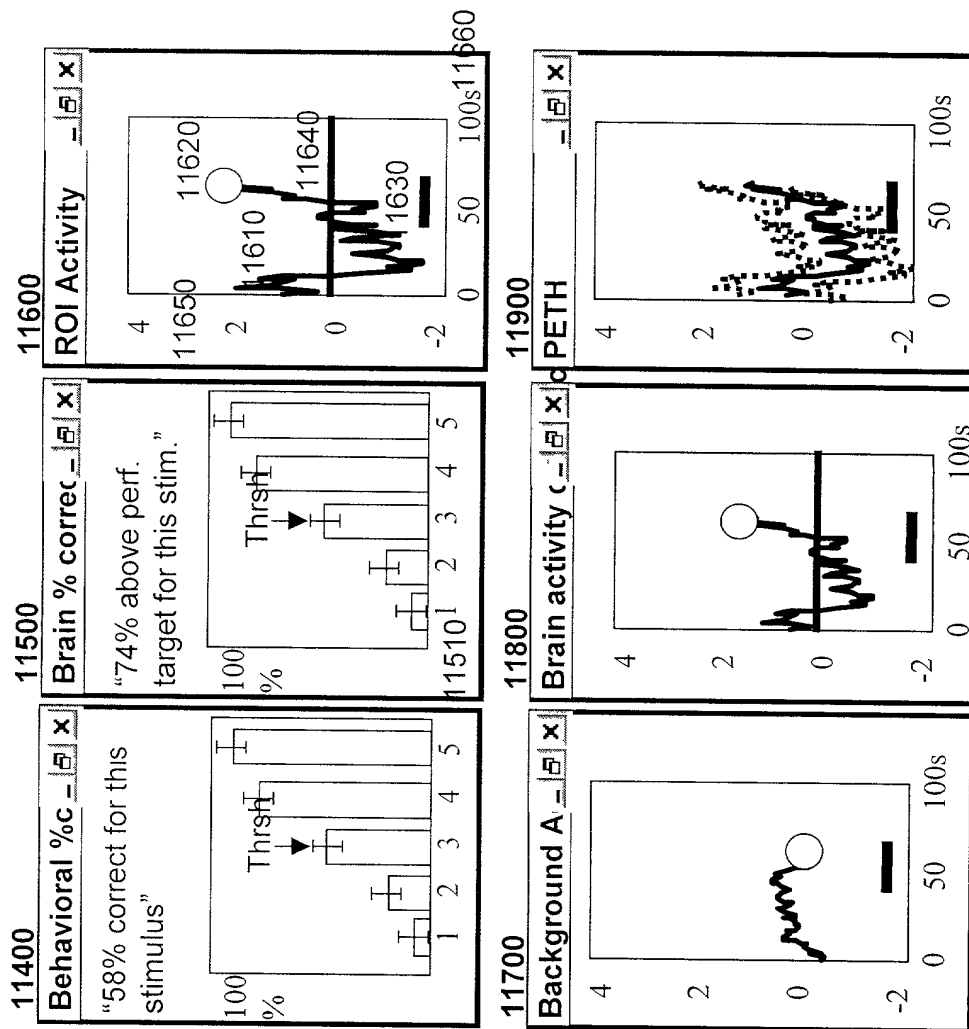


FIGURE 10

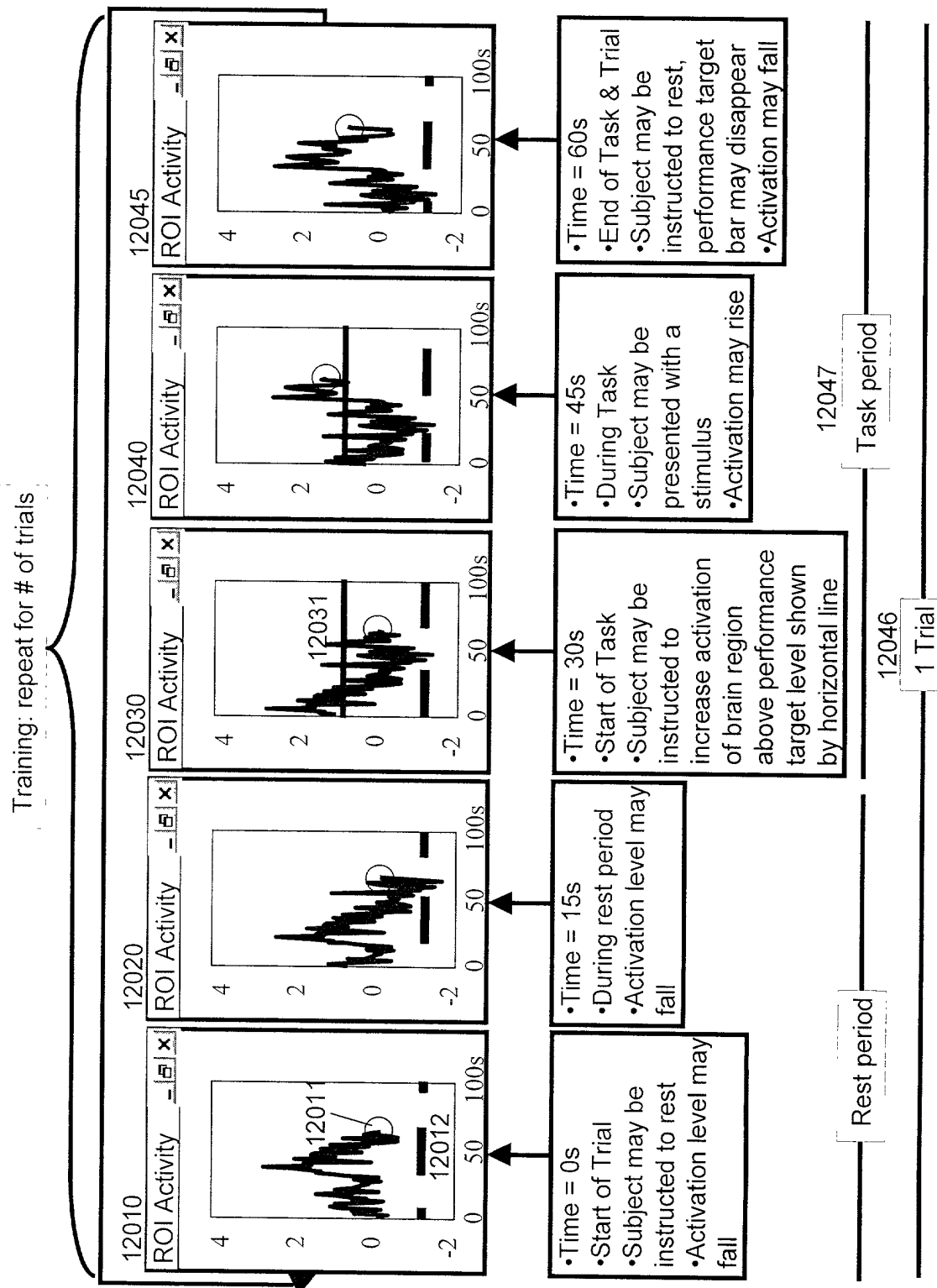


FIGURE 11

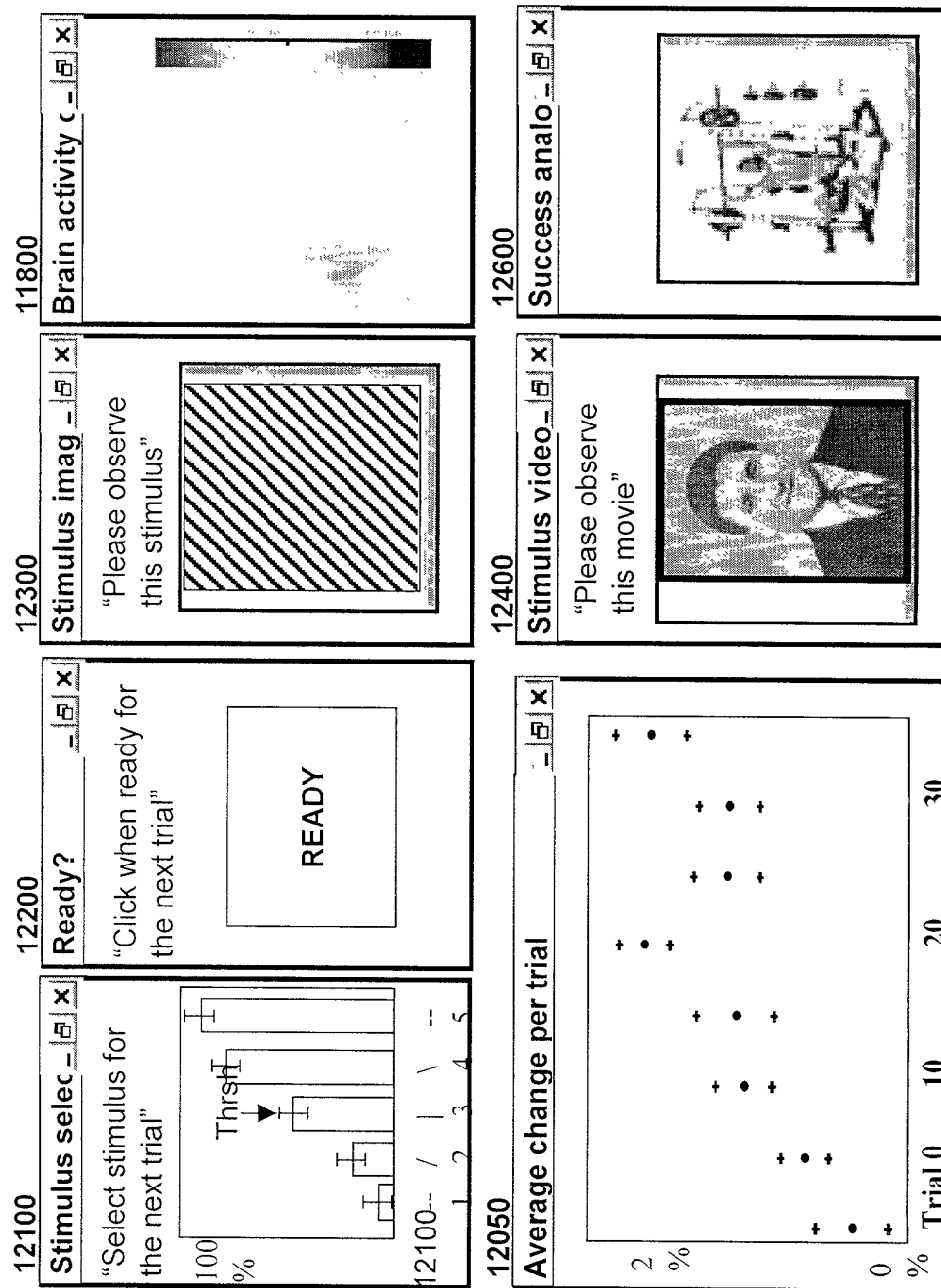


FIGURE 12

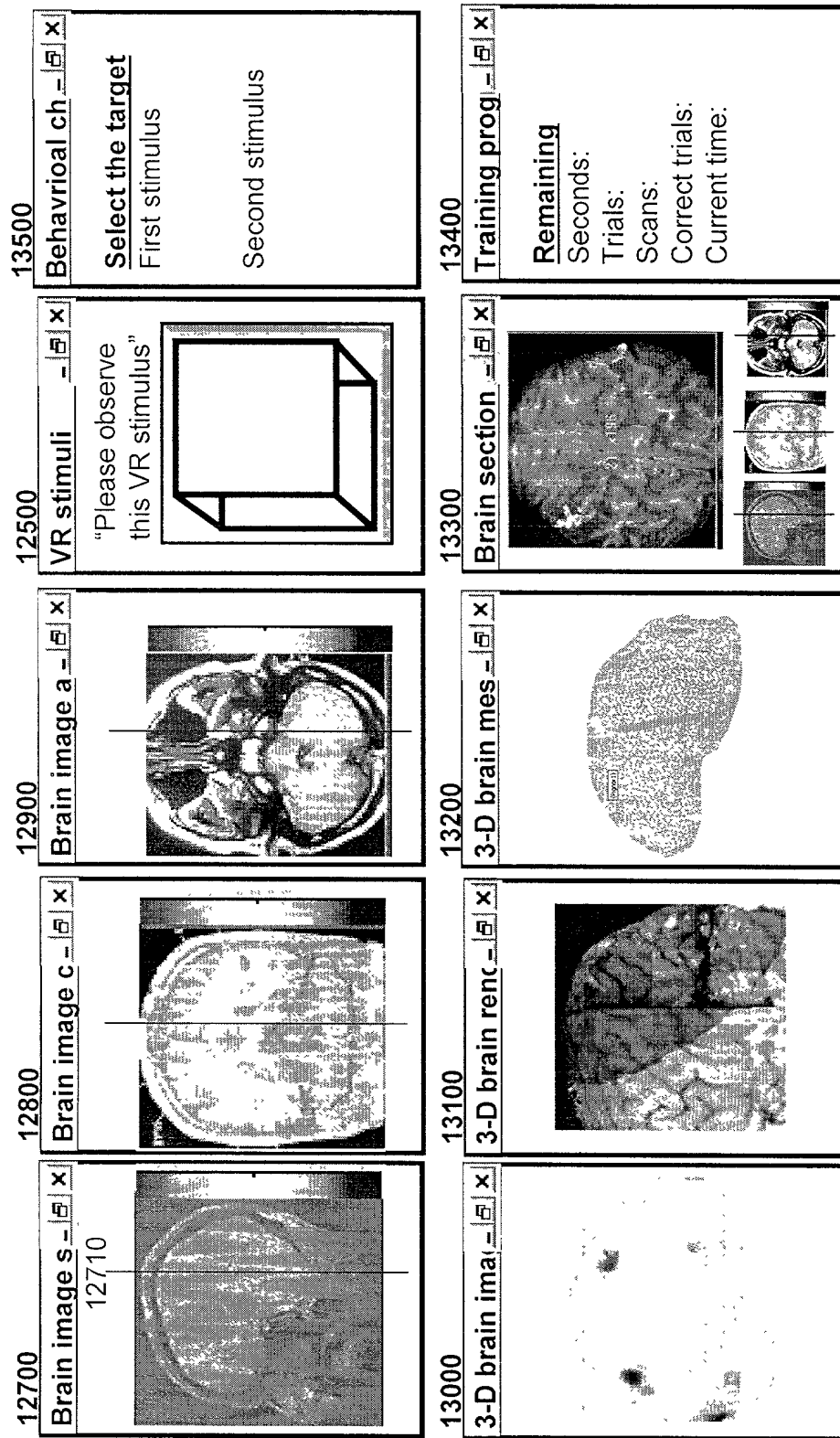


FIGURE 13

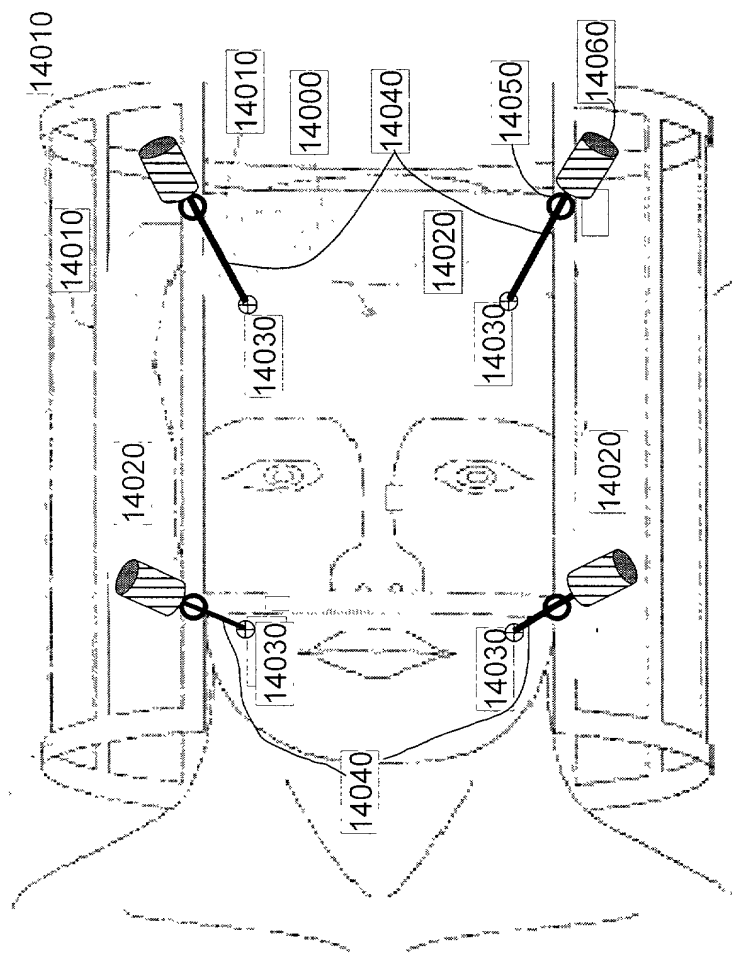


FIGURE 14

Region	Coords.	Condition	Neuro-modulator
subthalamus nucleus	X=+10 Y=-13 Z=-4	PD	-
substantia nigra	X=+10 Y=-17 Z=-8	PD, Schz	DA
thalamus nucleus VA ventro anterior	X=+10 Y=-5 Z=8	PD	-
nucleus accumbens	X=+10 Y=7 Z=-8	SA, Rew, Schz	DA
thalamus nucleus VL ventrolateral	X=+14 Y=-11 Z=8	PD	-
globus pallidus internus	X=+15 Y=-2 Z=-4	PD	-
pulvinar nucleus	X=+15 Y=-27 Z=4	ADD	-
thalamus nucleus VP	X=+17 Y=17 Z=9	Pain	-
locus coeruleus	X=+2 Y=-31 Z=-14	ADD, SA, Rew	NA
globus pallidus externus	X=+20 Y=-2 Z=-4	PD	-
amygdala	X=+22 Y=-5 Z=-12	Pain	-
medial frontal lobe	X=+3 Y=14 Z=40	Pain	-
periaqueductal gray matter	X=0 Y=-26 Z=-12	Pain	-
raphe dorsalis	X=+2 Y=-30 Z=-12	Pain	opiates
nucleus basalis of Meynert	X=+4 Y=1 Z=-12	AD, learning & plasticity	5-HT
dorsolateral pre-frontal cortex	X=+28 Y=34 Z=35	Dep	Ach
anterior pre-frontal cortex	X=+17 Y=64 Z=16	Dep	-
rostral ventromedial medulla	X=2 Y=-28 Z=-28	Pain	opiates
nucleus raphe magnus	X=2 Y=-30 Z=-28	Pain	5-HT, opiate
thalamus nucleus Vim ventrointeromedial	X=+7 Y=-12 Z=4	PD	-
Brodman's areas 4	X=+48 Y=-15 Z=40	Motor impairments	-
Brodman's areas 6	X=59 Y=-9 Z=40	Motor impairments	-
PD - Parkinson's disease; AD - Alzheimer's disease; ADD - attention & attention deficit/attention deficit/hyperactivity disorder, Dep - depression/mood/affect, SA - substance abuse & addiction, Schz - schizophrenia, Rew - reward			
DA - dopamine, 5-HT - serotonin, Ach - acetyl choline, NA - noradrenaline			